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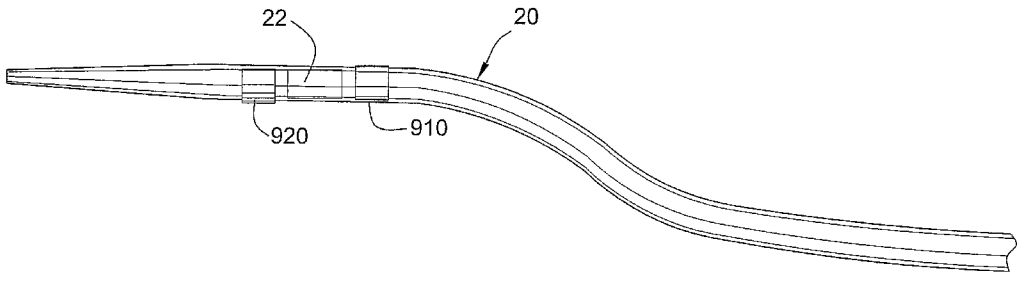
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(54) Title: VASCULAR IMAGE CO-REGISTRATION



(57) Abstract: A system and method for providing a vascular image are disclosed wherein a single composite display simultaneously provides a first view of a patient including an angiogram image and a second view including an intravascular image rendered from information provided by an imaging probe mounted on a distal end of a flexible elongate member. A cursor, having a position derived from image information provided by a radiopaque marker proximate the imaging probe, is displayed within the angiogram image to correlate the position of the imaging probe to a presently displayed intravascular image and thus provide an easily discernable identification of a position within a patient corresponding to a currently displayed intravascular image. The resulting composite display simultaneously provides: an intravascular image that includes information about a vessel that is not available from an angiogram and a current location within a vessel of a source of intravascular image data from which the intravascular image is rendered.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/00942

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06K 9/00; A61B 5/05; A61M 29/00 (2007.01)
USPC - 382/130, 131; 600/424, 425; 606/194; 604/103.1
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC(8) - G06K 9/00; A61B 5/05, 8/00, 8/14 (2007.01)
USPC - 382/131, 132; 600/441, 468, 454, 459,469

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPTO EAST System (US, USPG-PUB, EPO, DERWENT), MicroPatent, IP.com, DialogPro

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2004/075756 A1 (BORGERT et al) 10 September 2004 (10.09.2004) entire document	1-37
Y	US 2001/0041842 A1 (EBERLE et al) 15 November 2001 (15.11.2001) entire document	1-3, 9-37
Y	US 5,109,859 A (JENKINS) 05 May 1992 (05.05.1992) entire document	4-8
A	US 5,876,344 A (BAKER et al) 02 March 1999 (02.03.1999) entire document	1-37

☐ Further documents are listed in the continuation of Box C. ☐

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Date of the actual completion of the international search	Date of mailing of the international search report
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